

## Abstract

A device for monitoring at least two electromagnetic valves (11, 12) of an internal combustion engine in a motor vehicle in particular is described. An actual current that is independent of the other valves (12) may be supplied to each valve (11). A setpoint current ( $I_{11}$ ,  $I_{12}$ ) is preselected for each valve (11, 12). Measuring devices (17, 18) are provided for measuring the actual currents supplied to the valves (11, 12). A control unit (19) is provided and is used to add the measured actual currents to yield a total actual current ( $I_{\text{addactual}}$ ). Due to the control unit (19), the setpoint currents ( $I_{11}$ ,  $I_{12}$ ) are added to yield a total setpoint current ( $I_{\text{addsetpoint}}$ ) and compared to the total actual current ( $I_{\text{addactual}}$ ). This comparison is used by the control unit (19) for monitoring the valves (11, 12) and/or their interconnections.

Figure 1